APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

Wisconsin Department of Transportation
DT1553 8/2023 Wis. Stat. §§ 66.0831, 84.01(31), 84.08, 85.15, 86.07(2)(a), 86.16, and 182.017

1. Applicant (Utility facility owner) Name and Address
Ashwaubenon PD
2155 Holmgren Wy,
Green Bay, WI 54304

2. Work Start Date: Upon Approval
3. Work Finish Date★: 12/31/2026

4. Is the work due to a WisDOT highway project?
☐ Yes ☒ No

5. Applicant Work Order or Project ID # (If any)
Ashwaubenon PD PUS0063805 APD006/APD007

6. Public Land Survey System Location (¼ section, section, town, range; **provide plat map**)
Cam #6: SW¼ Sec 5, T23N, R20E
Cam #7: SW Sec 5, T23N, R20E

7. Municipal/County Location (List all that apply)
Town:
Village: Ashwaubenon
City:
County: Brown

8. Highway (List all that apply)
WIS: 172
US:
Interstate:

Provide a separate location map if the plat map is not adequate.

9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.)
☒ Comm: ALPR Camera
☐ Electric:
☐ Gas/Oil:
☐ Water:
☐ Sewer:
☐ Casing:
☐ Conduit:
☐ _____:

☒ Transmission ☐ Service
☐ Distribution ☐ Service (ESCP)

10. Facility Orientation (Check all that apply)
☐ Underground ☐ Overhead
☐ Crossing ☐ Parallel
☐ OSOW high clearance route
☐ Bridge attachment
☐ Scenic easement (Off right-of-way)

11. Work Types (Check all that apply)
☒ New facility ☐ Remove
☐ Joint install ☐ Maintenance
☐ Improve or repair existing ☐ Discontinue, left in place

12. Proposed Work Methods (Check all that apply)
☐ Trench ☐ Plow
☐ Place fill ☐ Rock blasting
☐ Place cable in conduit ☐ Open cut pavement
☒ Hand/mechanical excavation

Bore:
☐ Hydraulic (Auger/Jack/Tunnel)
☐ Pneumatic (Mole)
☐ Directional 1 (Manually tracked)
☐ Directional 2 (Computer tracked)
☐ Unknown (At this time)

Install or attach to poles/towers:
☒ New ☐ Existing ☐ Guys
4.5" (~Diameter) _____ (Name of existing owner)
(Provide details for all guy wires on plan sheets)

Pothole (Subsurface excavation):
☐ Air ☐ Water

Tree/vegetation control:
☐ Cut (Remove) ☐ Plant
☐ Trim (Prune) ☐ Mow
☐ Chemically treat

13. Work Zone Description **(Check all that apply)**. (Provide relevant diagram(s) with application.)
☐ Not applicable
☐ Full road closure: detour
☐ Full road closure: temporary
☐ Lane closure without flagging
☐ Lane closure with flagging
☐ Lane encroachment (2' or less)
☒ Shoulder/parking lane closure
☐ Turn lane closure
☐ Sidewalk or trail closure
☐ Terrace (Area from curb to sidewalk)
☐ Off shoulder/parking lane
☐ Near right-of-way line or fence
☐ Freeway/expressway
☐ Intersection/roundabout
☐ Railroad crossing
☐ Mobile operation

14. Is the facility near a survey monument? HMM 09-15-35
If yes, call (866) 568-2852 or email geodetic@dot.wi.gov.
☐ Yes ☒ No

15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item.
☐ Yes ☒ No

16. Trans 401 category? If non-minor, provide a formal erosion control plan. HMM 09-15-55
☒ Minor ☐ Non-Minor

17. Complete the Environmental Checklist. See HMM 09-15-16 Attachment 1. WisDOT will not review a permit application until a completed Checklist is submitted.
☒ Checklist included

★ **Includes permanent restoration. If the permitted work has not started by the "Work Finish Date," this permit is null and void. If the permitted work has started but has not been completed by the "Work Finish Date," the work shall not be completed unless authorized through an approved written time extension or a subsequent permit.** ***ANY PERMIT ISSUED IS REVOCABLE.***

18. Utility Person Responsible for Construction: Gabe Clark — Telephone Number: (407) 902-3200

19. Utility or Project 24/7 Emergency Contact: Gabe Clark — Telephone Number: (407) 902-3200

20. Provide company name and address of utility authorized representative if not employed by the applicant.
Bluewater Inc
100 E Pine Street, Unit 302
Orlando, FL 32801

21. Provide additional work details, if needed (use back page or include separate pages)
Installation of (2) 10' Mash Frey CP6 poles with attached Automatic License Plate Reader Camera.

It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's *Utility Accommodation Policy*, current edition.

Brian Amenson 03/02/2026
(Utility Authorized Representative Signature – If electronic, use brush script font or e-signature software) (Date)

Captain (920) 492-2315 bAmenson@ashwaubenon.gov
(Title) (Telephone Number) (Email Address)

This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If the utility facility changes ownership, this permit terminates. The new owner must then obtain a permit to occupy, operate and maintain the facility in WisDOT right-of-way.

⬇ Completed by Wisconsin Department of Transportation – REVIEW AFTER PERMIT ISSUANCE ⬇

☒ **UTILITY SHALL NOTIFY WISDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK:**
Region contact, office address, telephone number and email address
Aimee Stoffregen, Utility Permit Coordinator
Wisconsin DOT
Northeast Region
944 Vanderperren Way
Green Bay, WI 54304
neutilitypermits@dot.wi.gov (920) 492-4121

☒ **Review All Supplemental Permit Provisions**
☒ **Revisions Made to Drawings or Other Pages**
☒ Lane Closure System notification required
☐ Insurance or performance bond required
☐ Joint installation: See permit(s) #_____
☐ Private utility (Non-public ownership and/or use)
☐ Expedited Service Connection Permit
☐ This permit voids & supersedes #_____ issued:_____
☐

Application Received	03/19/2026
Application Completed	04/27/2026
Permit Issued	05/01/2026
Permit Extended	
Permit Amended	
Permit Number	**001893**

4822 Madison Yards Way, 6th Floor South, Madison, WI 53705 kathy.jennings@dot.wi.gov (608) 261-8976
(Bureau of Highway Maintenance Contact Information)

Kathy Jennings
(WisDOT Authorized Representative Signature – If electronic, use brush script font or e-signature software)

APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY *(continued)*

Wisconsin Department of Transportation DT1553

Use this section to provide information that does not fit on front page

Installation of (2) 10' Mash Frey CP6 poles with attached Automatic License Plate Reader Cameras for the Ashwaubenon Police Department. Poles will be installed with solar panels to power the cameras so no further infrastructure required at the pole locations.

INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.

SUPPLEMENTAL PERMIT PROVISIONS
Automated License Plate Reader Cameras

PROJECT DESCRIPTION. The applicant is installing automated license plate reader (ALPR) cameras within state highway right-of-way as an aid in preventing and solving crimes. The use of the cameras is considered a communications-type utility and is allowed under WisDOT's Utility Accommodation Policy HMM 09-15-65, 4.1.

1. **LEGAL USE.** Surveillance cameras shall only be used as allowed by Wisconsin statutes. For example, the use of cameras is currently *prohibited* to enforce red light running at traffic signals. The purpose of the camera is for safety and crime prevention. The permit can be revoked if the camera is used for unlawful purposes.

2. **REVOCATION BY WisDOT.** WisDOT may revoke this permit if its own use or sale of the right-of-way (ROW) would be facilitated by relocation of applicant's facility and shall provide applicant with written notice a minimum of one year prior to such revocation. During this period, WisDOT shall work with applicant to find a suitable replacement area on ROW near the terminated location. WisDOT shall not compensate applicant to move its facility within the ROW in keeping with WisDOT's policy on compensable and non-compensable utility facility moves. If it is necessary to maintain uninterrupted service, applicant shall be allowed to temporarily locate in WisDOT ROW at a mutually acceptable location for up to 180 days during the relocation of its facilities to the permanent site.

3. **PERMIT TERM.** This permit is valid for as long as applicant continues to own, operate and maintain its facilities within WisDOT ROW in accordance with the terms of its permit and WisDOT's Utility Accommodation Policy.

4. **TERMINATION BY PERMITTEE.** The applicant may terminate this permit upon 30 days written notice to WisDOT. Upon such termination, applicant shall remove its facility from the ROW unless WisDOT notifies applicant that WisDOT will take over operation and maintenance of the facility for its own traffic operations.

5. **WORK RESTRICTIONS.** The applicant is authorized to work on weekdays between sunrise and sunset. Weekend work may be allowed upon prior approval from WisDOT. No work shall be done, and all work zone traffic control shall be removed, when the pavement is covered with ice or snow, or during winter maintenance pavement brining applications, salt spreading, or plowing operations.

6. **WORK ZONE TRAFFIC CONTROL (WZTC).** All WZTC shall be in accordance with the Wisconsin Manual on Uniform Traffic Control Devices or the Work Zone Field Manual. All materials and equipment shall remain off the roadway. Traffic Control shall not encroach on the travel lane. The use of law enforcement to block a traffic lane is an acceptable use of WZTC for short-duration installations as long as it is not on an interstate, freeway or expressway.

7. **LANE CLOSURE SYSTEM NOTIFICATION.** To satisfy LCS requirements for WisDOT's 511 System, applicant shall notify WisDOT a minimum of ***seven calendar days*** prior to ***any lane or shoulder closure***. applicant may use the LCS Notification Worksheet (HMM 09-15-60 Attachment 3) if needed and submit it to WisDOT's the Region Utility Permit Coordinator (also listed on page 1 of the dt1553) for review. WisDOT may revise the information, but applicant shall enter it into LCS unless notified by WisDOT that it will perform the entries. For **emergency** situations when any type of shoulder, lane, or road closure is required, applicant shall call WisDOT's Traffic Management Center at 800-375-7302.

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION TO WISDOT

Closure type **with** height, weight, or width restrictions (available width, all lanes in one direction **< 16'**)	MINIMUM NOTIFICATION
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type **without** height, weight, or width restrictions (available width, all lanes in one direction **≥16'**)	MINIMUM NOTIFICATION
Shoulder closures	3 calendar days
Lane closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

8. **WORK AREA PROTECTION DURING NON-WORK TIMES.** The applicant shall store its equipment and materials off the ROW during non-work times if possible. If necessary, applicant may store its equipment and materials on the ROW provided they are placed as close to the ROW line as possible and outside the clear zone. Do not park vehicles, store materials, or place signs/devices on a pedestrian facility that remains open to the public. The applicant shall ensure that any excavation left open during non-work times is well marked and secured from public intrusion.

9. **PEDESTRIAN ACCOMMODATIONS**. If any proposed utility work will impact a pedestrian facility, make appropriate accommodations for all pedestrians, including those who are visually impaired or must use a personal assistive mobile device (wheelchair, scooter, etc.), in accordance with the Americans with Disabilities Act (ADA) of 1990. Reference the Facilities Development Manual 11-50-31 for additional temporary pedestrian accommodation guidance. Use materials conforming to Section 644 of WisDOT's Standard Specifications for temporary pedestrian accommodations.

   Assist pedestrians and those persons in wheelchairs or other personal assistive mobility devices as needed to safely navigate the work area. The contractor shall either keep the existing path/sidewalk open, safe, and clean for pedestrians or provide alternative temporary accommodations that comply with the FDM and SDD 15D30 and the Work Zone Field Manual.

10. **ROW RESTORATION.** The applicant shall restore any WisDOT ROW disturbed to its original (as best as practical) condition within **two weeks** after installing its facilities. WisDOT may allow time extensions for restoration in the case of inclement weather, poor soil conditions, or if applicant's operations would track over the same disturbed areas – provided that proper erosion control devices are in place to protect the disturbed areas.

    Should future maintenance work on applicant's facilities result in the disturbance of the existing ROW, applicant shall restore the ROW to its original condition as soon as possible. The basic drainage pattern of the highway shall remain undisturbed by the permitted work. Upon project completion, all spoils, debris, refuse, and waste resulting from the permitted work shall be removed from the work site.

11. **DOCUMENTATION.** Send pictures of completed installations to DOT CO ROW Permits and the WisDOT Region Utility Permit Coordinator (also listed on page 1 of the dt1553).

12. **CONSTRUCTION NOTIFICATIONS.** The applicant shall contact the WisDOT Region Utility Permit Coordinator (also listed on page 1 of the dt1553) at least three working days prior to the start of construction. applicant shall call Diggers' Hotline 800-242-8511 at least three working days prior to the start of any excavation. applicant shall provide WisDOT with the names and telephone numbers of the people in charge of its field operations. This includes people who are responsible for the overall project or separate crews and includes any contractors hired by applicant.

13. **LONGITUDINAL & VERTICAL LOCATION**. The applicant shall place its facilities as shown on the approved permit drawings. Deviations from this location may be allowed but shall first be approved by WisDOT. Revised plan sheets showing the approved deviations should be sent to WisDOT after completion. Proposed pole locations shall be a minimum of 10 ft from existing poles and signs.

    The product (pole/panel/camera) labeled as the "X-squared Breakaway System" was tested and the results meet the appropriate AASHTO MASH evaluation criteria and may be located within the clear zone as approved by WisDOT.

14. **EROSION CONTROL.** A formal erosion control plan is not required if applicant can perform construction in accordance with HMM 09-15-55 and Trans 401. However, if any excavation remains open for more than 24 hours, then a formal erosion control plan shall be submitted to WisDOT and this provision revised accordingly. In either case, applicant shall use the appropriate erosion control best management practices (BMPs) to contain soil directly at the site to prevent disturbed soil from getting into nearby waterways and wetlands. Storm sewer and pipe underdrain inlets shall be protected with filter fabric if necessary.

    All appropriate erosion control BMPs shall be in place **prior to starting construction activities**. Temporary seeding shall be used as necessary after rough grading and before project completion. applicant shall ensure that erosion control measures used to protect restored areas remain in place until replacement vegetation achieves sustained growth. Rutting due to vehicle or equipment tracks shall be smoothed out at the end of each day. applicant shall take every precaution necessary to prevent mud, dirt, or other debris from being deposited onto a travel lane or shoulder. Any materials deposited on the pavement shall be promptly removed.

15. **PERMIT AT SITE.** During the performance of work described in this permit, applicant and/or its contractor(s) or subcontractor(s) shall have a fully signed and executed copy of the permit on site, **which may in electronic format**. Failure to do so may cause a temporary shutdown of the work. Repeated offenses may cause this permit to become null and void and if so, the work shall not be completed unless authorized through a subsequent permit.

Lane Closure System (LCS) Notification Worksheet

Permittee will enter the data into the LCS

General Section:

1. Permit Number
2. General Description (brief description of the type of work)
3. County (Begin/End if different)
4. Highway/Direction
5. Primary Contact (WisDOT Regional Utility Permit Coordinator) – *Required*
6. Emergency Traffic Control Contractor Contact (name/number - 24 hour contact) – *Required*
7. Contractor Contact (such as contractor or utility name/number) – *Required*
8. Law Enforcement Contact (if applicable)
9. Other Contact (other WisDOT contact names if applicable)

Each Facility:

1. Facility Type (mainline, ramp, system interchange)
2. Closure/Roadway Status (Full closure, Lane/shoulder closure, Flagging operations, One lane road, One lane road temporary signal, Moving lane closure, Rolling full closure)
3. Duration (daily/nightly, weekly, continuous)
4. Begin/End Date
5. Begin/End Time
6. Begin/End Location
7. Oversize/Overweight Restrictions (height, width, weight restrictions if applicable)
8. Detour Route (if applicable)

LICENSE PLATE READER INSTALLATION

STATE OF WISCONSIN

ASHWAUBENON POLICE DEPARTMENT

PERMITTING JURISDICTION:
WISDOT

DRAWING INDEX

T.01 - COVER SHEET & LOCATION MAPS
T.02 - SYMBOLOGY AND ABBREVIATIONS
GN.01 - GENERAL NOTES
SHEETS 1 - 2 - PLAN DRAWING
SPEC.01-SPEC.07 - EQUIPMENT AND FOUNDATION DETAILS
TCP.01 - TYPICAL TRAFFIC CONTROL PLANS

PROJECT SUMMARY

ATTACHING TWO (2) NEW CAMERAS TO NEW MASH POLES IN THE STATE MAINTAINED RIGHT OF WAY. EACH POLE SUPPORTING ONE LICENSE PLATE READER CAMERA - WITH SOLAR PANEL AND BATTERY PACK - FOR THE ASHWAUBENON POLICE DEPARTMENT.

CONTACT LIST

ASHWAUBENON POLICE DEPARTMENT
2155 HOLMGREN WY
GREEN BAY, WI 54304
(920) 492-2995

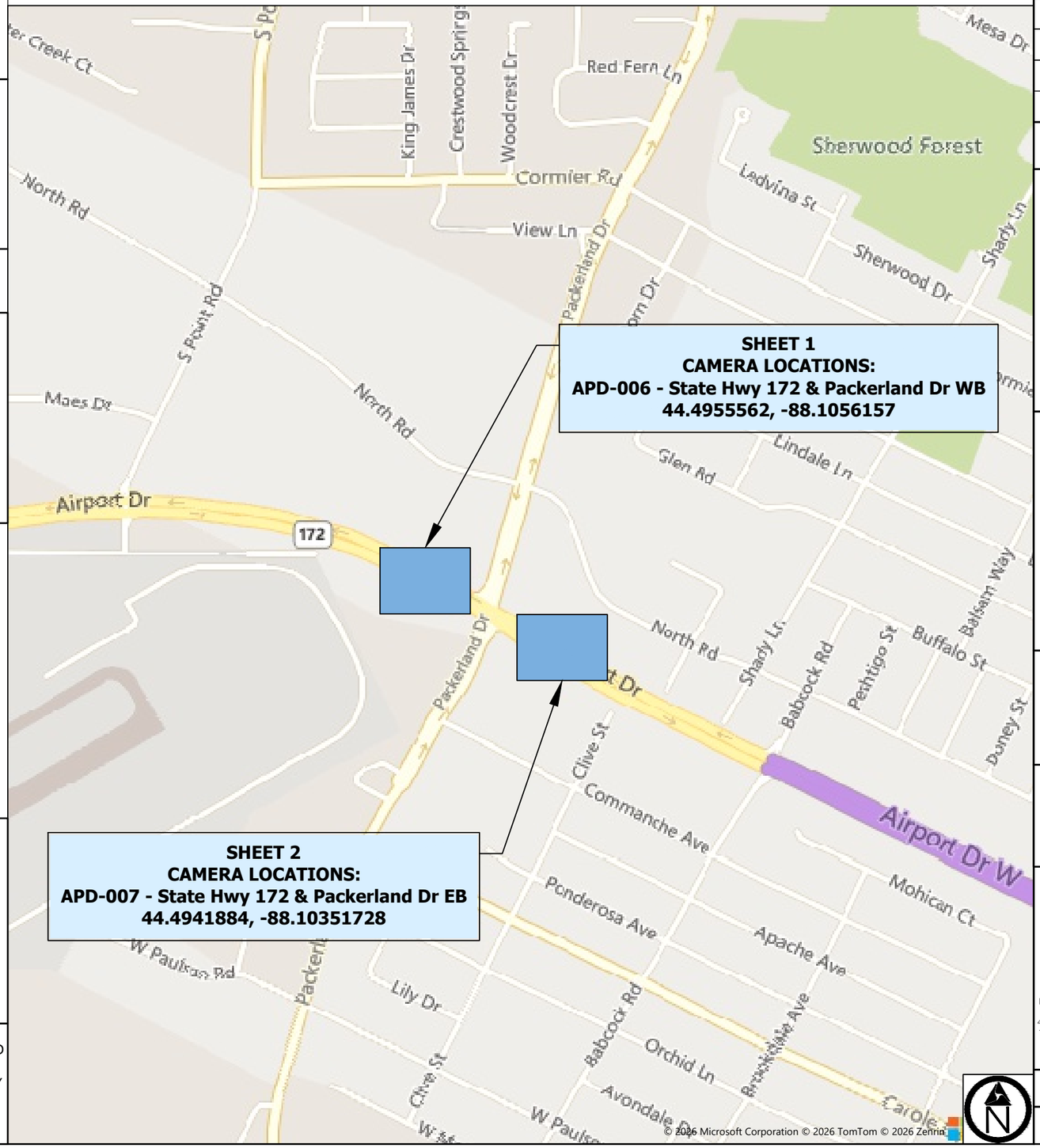
AXON
Amanda Schroder
ASCHRODER@AXON.COM

BLUEWATER TELECOMMUNICATIONS
MICHAEL FLUKER
PERMITTING MANAGER
407-432-8618
100 E PINE ST
ORLANDO, FL 32801

SEE APPROVED PERMIT FOR LISTED INSPECTOR

NOTE:
THE PLAT, PARCEL AND RIGHT OF WAY DIMENSIONAL INFORMATION HAS BEEN ACQUIRED AND PLOTTED ON THESE PLANS USING THE BEST AVAILABLE DATA AND AERIAL IMAGERY. ALL UTILITY INFORMATION SHOWN ON PLANS WAS ACQUIRED FROM THE BEST AVAILABLE DATA AND AS REASONABLE OBTAINED BY PHYSICAL FIELD SURVEY. IT REMAINS THE RESPONSIBILITY OF OTHERS TO FIELD VERIFY ALL DATA PRIOR TO PROJECT START. LINE LOCATES ARE THE RESPONSIBILITY OF OTHERS TO VERIFY CONFLICT HORIZONTALLY AND VERTICALLY OF EXISTING FACILITIES.

SITE LOCATION MAP



1 INCH = 750 FEET

REVISIONS

DATE	REV	DESCRIPTION

WISCONSIN
SCOTT JOSEPH MAGARAM
E-100377
CLIFTON VA
PROFESSIONAL ENGINEER
4/23/2026

[RESERVED FOR STAMP]

[RESERVED FOR STAMP]

BLUEWATER Telecommunications, Inc.

AXON

811 Know what's below. Call before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONSTRACTORS EXPENSE.

PUS0063805

T.01

LINETYPES

- RIGHT OF WAY
- EDGE OF PAVEMENT
- EDGE OF TRAVELWAY
- SIDEWALK
- CENTERLINE
- GAS
- WATER
- TELEPHONE
- ELECTRIC
- SANITARY SEWER (SEW)
- STORM DRAIN
- FENCE
- CABLE TV
- STEAM
- OIL
- UNKNOWN UTILITY
- RAILROAD
- COUNTY LINE

SYMBOLOGY

- CAMERA - EXISTING
- CAMERA - PROPOSED
- POLE - PROPOSED
- POLE - EXISTING
- HANDHOLE - EXISTING
- HANDHOLE - PROPOSED
- PEDESTAL - EXISTING
- MANHOLE - EXISTING
- POINT OF INTEREST
- ACCESS POINT
- CULVERT - EXISTING
- FIRE HYDRANT - EXISTING
- WATER MAIN - EXISTING
- WATER VALVE - EXISTING
- GAS VALVE - EXISTING
- DOWN GUY AND ANCHOR
- OVERHEAD GUY
- BORING REQUIRED
- UG CONDUIT - EXISTING

ABBREVIATIONS:

ABAND	Abandoned
APPROX	Approximate
ASPH	Asphalt
BLDG	Building
CL	Centerline
CMP	Corrugated Metal Pipe
CO	County
CONC	Concrete
CSG	Casing
CT	Count
CULV	Culvert
DB	Directional Bore
DBH	Diameter at Breast Height
D.D.	Down Drain
DEPT	Department
DIA	Diameter
DIR	Directional
DIST	District
DOC	Depth of Cover
DOT	Department of Transportation
DWG	Drawing
DWY	Driveway
E MH	Electric Manhole
E MKR	Electric Line Marker
E PED	Electric Pedestal
E VLT	Electric Vault
EM	Electric Meter
ENC	Encased
ENG	Engineering
EOP	Edge of Pavement
EPB	Electric Pull Box
EXIST	Existing
FDH	Fiber Distribution Hub
FDT	Fiber Distribution Terminal
FH	Fire Hydrant
FO	Fiber Optic
FO MH	Fiber Optic Manhole
FO MKR	Fiber Optic Line Marker
FO VLT	Fiber Optic Vault
FOC	Face of Curb
FS	Filter Sock
G MH	Gas Manhole
G MKR	Gas Line Marker
G SD	Grated Storm Drain
GALV	Galvanized
GEO SRV MKR	Geodetic Survey Marker
GM	Gas Meter
GV	Gas Valve
GWMW	Groundwater Monitoring Well
HDPE	High Density Polyethylene
HH	Handhole
HWY	Highway
I.P.	Inlet Protection
ILA	In Line Amplifier
INC	Incorporated
INT	Intermediate
L/A ROW	Limited Access Right of Way
LF	Linear Feet
LOC MKR	Locating Marker
LP	Light Pole
MAX	Maximum
MB	Mailbox
MH	Manhole
MIN	Minimum
MIT	Mitigation
MKR	Marker
MMV	Meet Me Vault
MON	Monument
MOT	Maintenance of Traffic
NO	Number
OC	Open Cut
PRK MTR	Parking Meter
P/L	Property Line
PED	Pedestal
PI	Point of Inflection
PKG	Package
PVC	Polyvinyl Chloride
RCB	Reinforced Concrete Box
RCP	Reinforced Concrete Pipe
RD MEM	Roadside Memorial
REQD	Required
RGS	Rigid Galvanized Steel
ROW	Right of Way
RR	Railroad
SCB	Sprinkler Control Box
SD	Storm Drain/Curb Inlet
SDMH	Storm Water Manhole
SEC.	Section
SF	Silt Fence
SMH	Sanitary Sewer Manhole
SPL	Splice
SS CO	Sanitary Sewer Clean Out
SS LIFT	Sanitary Sewer Lift Station
STA.	Station
STD	Standard
STR	Section Township Range
SWPPP	Storm Water Pollution Prevention Plan
T HH	Telecom Handhole
T MH	Telecom Manhole
T MKR	Telecom Line Marker
T PED	Telecom Pedestal
T VLT	Telecom Access Vault
T.P.	Trench Plug
TCB	Traffic Control Box
TCE	Temporary Construction Easement
TCV	Traffic Control Vault
TRF MH	Traffic Control Manhole
TSP	Traffic Signal Light
TYP	Typical
UG	Underground
UNK MH	Unknown Manhole
UNK PED	Unknown Pedestal
UNK UTL MKR	Unknown Utility Marker
UNK VLT	Unknown Vault
UTL LP	Utility Light Pole
UTL P	Utility Pole
VLT	Vault
VP	Gas Vent Pipe
W MH	Water Manhole
W MKR	Water Line Marker
W SPG	Water Spigot
W VLT	Water Vault
WM	Water Meter
WV	Water Valve

REVISIONS

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PUS0063805

T.02

CONSTRUCTION NOTES:

1. WHEN INSTALLING AXON PROVIDED POLES, A MINIMUM OF 2' SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES AND STORM DRAIN STRUCTURES.
2. IF THE PROPOSED UTILITY CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY THE AUTHORITY HOLDING JURISDICTION SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
3. NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS IN PLACE PRIOR TO PATHWAY BEING AFFECTED.
4. ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
5. ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO THE AUTHORITY HOLDING JURISDICTION SPECIFICATIONS.
6. THE AUTHORITY HOLDING JURISDICTION RETAINS THE RIGHT TO MAKE ALTERATIONS TO THE PERMIT, ATTACHED SKETCH OR CHARACTER OF WORK AS MAY BE CONSIDERED NECESSARY OR DESIRABLE DURING THE PROGRESS OF THE WORK FOR SATISFACTORY COMPLETION OF THE PROPOSED CONSTRUCTION.
7. THE PERMITTEE SHALL NOTIFY THE AUTHORITY HOLDING JURISDICTION OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION AND A NOTICE OF FINAL ACCEPTANCE.
8. ALL CONSTRUCTION AND/OR MAINTENANCE ON THE AUTHORITY HOLDING JURISDICTION RIGHT OF WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD).
9. PRIOR TO ANY WORK REQUIRING LANE CLOSURES, MOBILE OPERATIONS OR TRAFFIC PLACING OPERATIONS, THE CONTRACTOR OR PERMITTEE SHALL SUBMIT A REQUEST TO THE DEPARTMENT THAT INCLUDES THE TIME, LOCATION, AND DESCRIPTION OF WORK BEING PERFORMED. THE LANE CLOSURE REQUEST SHALL BE SUBMITTED TO THE DEPARTMENT A MINIMUM OF 14 DAYS PRIOR TO THE PROPOSED CLOSURE DATE AND MUST BE APPROVED BY THE DEPARTMENT BEFORE WORK REQUIRING THE CLOSURE MAY BEGIN WITHIN THE AUTHORITY HOLDING JURISDICTION RIGHT OF WAY.
10. OPEN CUTTING OF ANY ROADWAY, DRIVEWAY, OR SIDEWALK OUTSIDE THOSE LIMITS IDENTIFIED WITH THE PERMIT ARE NOT ALLOWED WITHOUT PRIOR APPROVAL BY THE AUTHORITY HOLDING JURISDICTION OFFICE.
11. THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE ON A 24 HOUR BASIS, 7 DAYS A WEEK IN ORDER TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.
12. NO STOCKPILING, STORING OR SEMI PERMANENT USE OF THE RIGHT OF WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
13. NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAYS UNLESS OTHERWISE APPROVED BY THE AUTHORITY HOLDING JURISDICTION.
14. THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00AM TO 5:30PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
15. THE DEPARTMENT RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHODS OF INSTALLATION, SCOPE OF WORK AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY AND ENVIRONMENTAL WELL BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
16. PERMITTEE SHALL NOT BEGIN ANY WORK ALONG THE AUTHORITY HOLDING JURISDICTION RIGHT-OF-WAY UNTIL AND INSPECTOR IS PRESENT AT THE JOB SITE AND AGREES THAT PROPER PREPARATIONS HAVE BEEN MADE.
17. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO THE AUTHORITY HOLDING JURISDICTION FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THE PROJECT.

ADDITIONAL NOTES:

1. SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE AUTHORITY HOLDING JURISDICTION STANDARDS, THE ENGINEER/PERMITTEE SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY. IN NO CASE WILL ANYTHING LESS THAN THE DEPARTMENTS MINIMUM STANDARDS BE ALLOWED.
2. ALL DISTURBED AREA WITHIN THE AUTHORITY HOLDING JURISDICTION RIGHT-OF-WAY WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING IN AREA DISTURBED.
3. BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN THE AUTHORITY HOLDING JURISDICTION RIGHT-OF-WAY.
4. ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.
5. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY HOLDING JURISDICTION A MINIMUM OF (2) BUSINESS DAYS PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN THE AUTHORITY HOLDING JURISDICTION RIGHT-OF-WAY.
6. ALL AREAS WITHIN THE AUTHORITY HOLDING JURISDICTION RIGHT OF WAY DISTURBED BY CONSTRUCTION SHALL BE RE-GRADED AND SODDED WITH LIKE-KIND SOD WITHIN (7) DAYS.

1.0 SCOPE OF WORK

1.1 THIS PROJECT SHALL CONSIST OF THE FOLLOWING OPERATIONS:

THE WORK PACKAGE IS FOR THE INSTALLATION OF AXON ALPR CAMERAS WHICH INCLUDES BUT IS NOT LIMITED TO: AXON PROVIDED POLES, POLE MOUNTED SOLAR PANELS, AND EXTERNAL BATTERY PACKS.

2.0 DRAWINGS

2.1 THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING ATTACHED DRAWINGS THAT ARE HEREBY MADE A PART OF THE STATEMENT OF WORK, BY THIS REFERENCE.

3.0 SPECIFICATIONS

3.1 THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THAT CERTAIN "MASTER AGREEMENT, OUTSIDE PLANT MAINTENANCE CONSTRUCTION SERVICES," PROVIDED THAT SUCH AN AGREEMENT EXISTS BETWEEN AXON AND CONTRACTOR. IN THE ABSENCE OF SUCH AN AGREEMENT, THE SPECIFICATIONS CONTAINED IN AN AGREEMENT TO BE EXECUTED BY THE PARTIES PRIOR TO THE COMMENCEMENT OF WORK SHALL GOVERN.

4.0 MATERIALS

4.1 CONTRACTOR SHALL FURNISH AND PLACE ALL MATERIALS REQUIRED FOR THE COMPLETE PERFORMANCE OF THE WORK.

5.0 PERMITS

5.1 AXON HAS OBTAINED OR WILL OBTAIN PERMITS FROM DEPARTMENTS AND/OR AGENCIES OF CITIES, COUNTIES, STATES, FEDERAL GOVERNMENT, RAILROAD OR OTHER ENTITIES, WHICH PROVIDE FOR THE PLACING OF POLES ALONG AND WITHIN PUBLIC OR PRIVATE ROAD RIGHTS OF WAY AND RAILROAD RIGHTS OF WAY.

5.2 CONTRACTOR SHALL OBTAIN ADDITIONAL PERMITS, IF REQUIRED, FOR EQUIPMENT ACCESS OR MOVEMENT ON PUBLIC ROADS AND RAILROADS. COPIES OF SUCH PERMITS SHALL BE FURNISHED TO AXON

5.3 ALL TRAFFIC CONTROL, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH LOCAL, STATE, COUNTY, OR PERMITTING AGENCY LAWS, REGULATIONS, AND REQUIREMENTS, AND WILL BE THE CONTRACTOR'S RESPONSIBILITY.

6.0 SAFETY AND PRECAUTIONS

6.1 ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE AUTHORITY HOLDING JURISDICTION REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.

6.2 THE WORK UNDER THIS CONTRACT WILL BE CONSTRUCTED WITHIN RIGHTS OF WAY THAT MAY CONTAIN EXISTING AND OPERATIONAL UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR COMPLIANCE WITH THE REQUIREMENTS OF ANY STATEWIDE AND/OR LOCAL AREA "ONE CALL" (LIGHTING/ITS NOT ON "ONE CALL" SYSTEM, CONTACT LOCAL AUTHORITY HOLDING JURISDICTION OFFICE, PROGRAM OR AGENCY) IN ADVANCE OF ANY EXCAVATION OR PLACING WORK AND THE CONTRACTOR SHALL LOCATE AND EXPOSE BY HAND ALL EXISTING SUBSURFACE PLANT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT HIS SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN THE TIME OF THE CONTRACT.

6.3 CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. CONTRACTOR SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.

6.4 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY OR FACILITY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY THE WORK, OR BY MOVING, HAULING, OR OTHERWISE TRANSPORTING EQUIPMENT, MATERIALS OR WORKERS TO OR FROM WORK OR ANY SITE THEREOF, WHETHER BY THE CONTRACTOR OR SUBCONTRACTORS.

6.5 DURING ALL PHASES OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN WORK AREAS IN A NEAT AND ORDERLY MANNER. CONSTRUCTION EQUIPMENT, MATERIAL AND SUPPLIES THAT ARE STORED ON THE RIGHT OF WAY SHALL NOT RESTRICT ACCESS TO SUCH RIGHT OF WAY OR THE RIGHT OF WAY ITSELF.

7.0 SECURITY

7.1 CONTRACTOR IS RESPONSIBLE FOR ALL SECURITY REQUIRED TO PROTECT ITS WAREHOUSE, LAYDOWN, AND STAGING AREA AND THE USE OF OUTSIDE PLANT WORK. SECURITY SHALL ALSO INCLUDE TRAFFIC CONTROL WHERE REQUIRED INCLUDING THE USE OF OFF DUTY POLICE OFFICERS.

8.0 STAKING AND SCHEDULING

8.1 ALL STAKING WILL BE PROVIDED BY AXON. REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING; THEREFORE, THE CONTRACTOR SHALL COORDINATE ALL CLEARING OPERATIONS AND PLACING OPERATIONS WITH THE AXON PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.

8.2 AXON WILL PROVIDE RAILROAD FLAGMEN AND SIGNALMEN AS REQUIRED; HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS NEEDS FOR SUCH SIGNALMEN AND FLAGMEN WITH THE AUTHORITY HOLDING JURISDICTION.

8.3 IN ADDITION TO THE SCHEDULING REQUIREMENTS IN THE GENERAL PROVISIONS, UPON REQUEST, THE CONTRACTOR SHALL ALSO SUBMIT TO THE AXON PROJECT SUPERVISOR DAILY CREW ASSIGNMENT REPORTS SPECIFYING CREW AND CREW COMPOSITION AND WORK LOCATION.

REVISIONS

DATE	REV	DESCRIPTION

[RESERVED FOR STAMP]

WISCONSIN
BRETT JOSEPH MAGARAM
E-100377
CLIFTON
VA
PROFESSIONAL ENGINEER
4/23/2026

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BLUEWATER Telecommunications, Inc.

AXON

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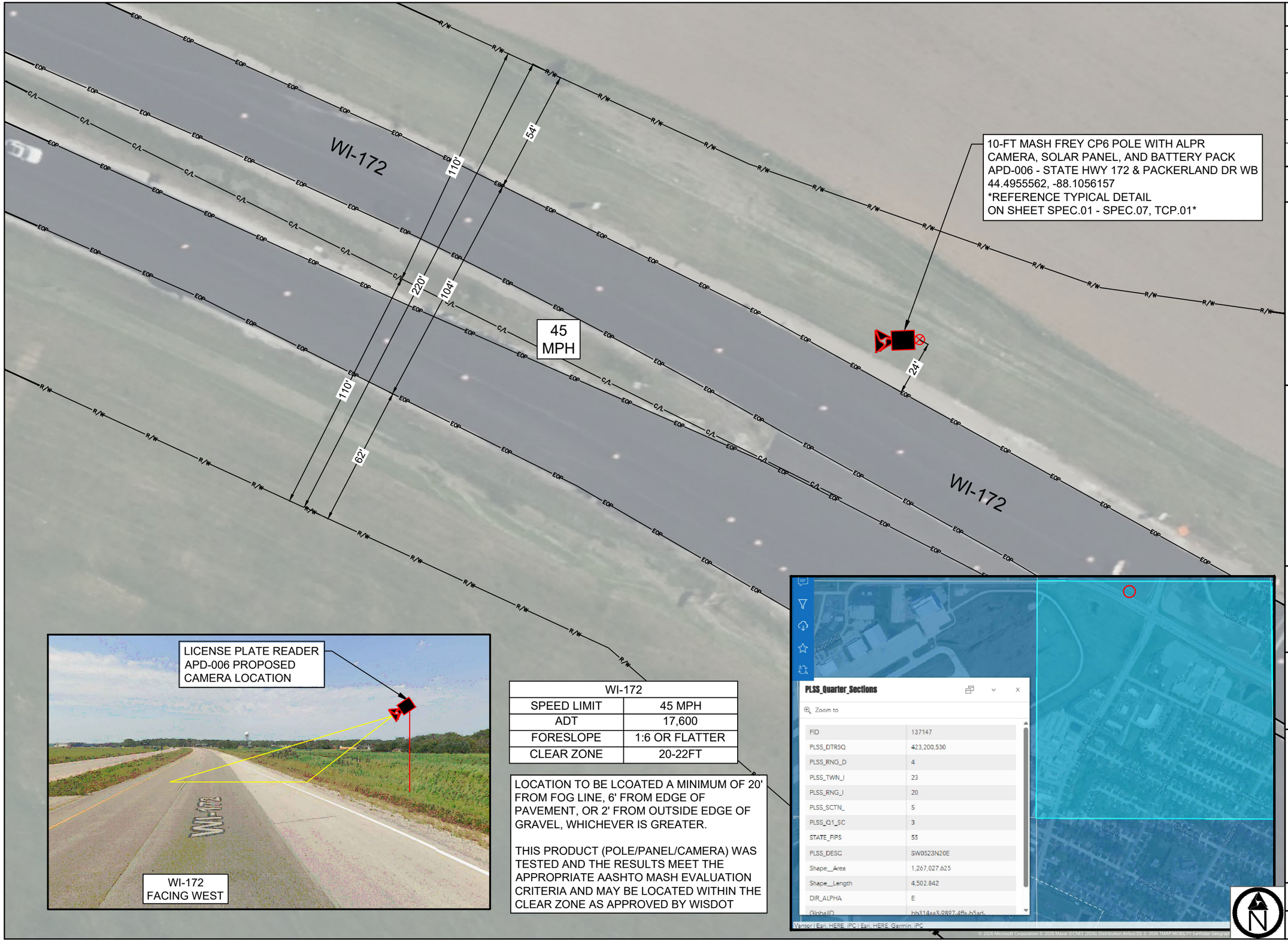
PUS0063805

GN.01



WI-172	
SPEED LIMIT	45 MPH
ADT	17,600
FORESLOPE	1:6 OR FLATTER
CLEAR ZONE	20-22FT

LOCATION TO BE LCOATED A MINIMUM OF 20' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT, OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.

THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT

1 INCH = 40 FEET

REVISIONS

DATE	REV	DESCRIPTION

WISCONSIN
BRETT JOSEPH MAGARAM
E-100377
CLIFTON VA
PROFESSIONAL ENGINEER
4/23/2026

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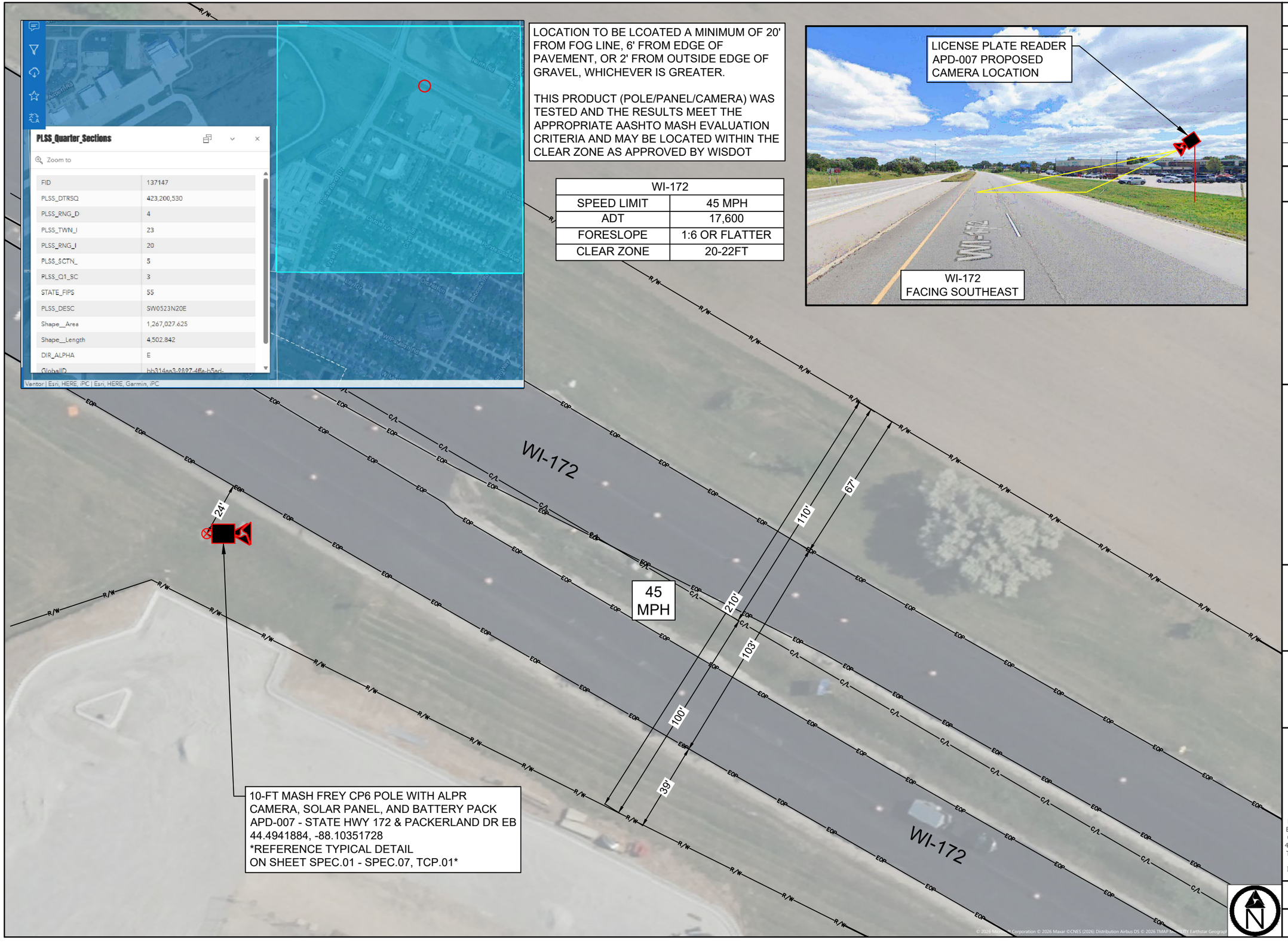
PUS0063805

SHEET 1

LOCATION TO BE LCOATED A MINIMUM OF 20' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT, OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.

THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT

WI-172	
SPEED LIMIT	45 MPH
ADT	17,600
FORESLOPE	1:6 OR FLATTER
CLEAR ZONE	20-22FT

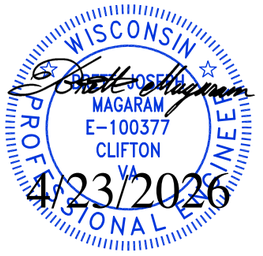


10-FT MASH FREY CP6 POLE WITH ALPR
CAMERA, SOLAR PANEL, AND BATTERY PACK
APD-007 - STATE HWY 172 & PACKERLAND DR EB
44.4941884, -88.10351728
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01 - SPEC.07, TCP.01*

1 INCH = 40 FEET

REVISIONS

DATE	REV	DESCRIPTION



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SHEET 2

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GENERAL & CONSTRUCTION NOTES

1. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.

2. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.

3. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.

4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES

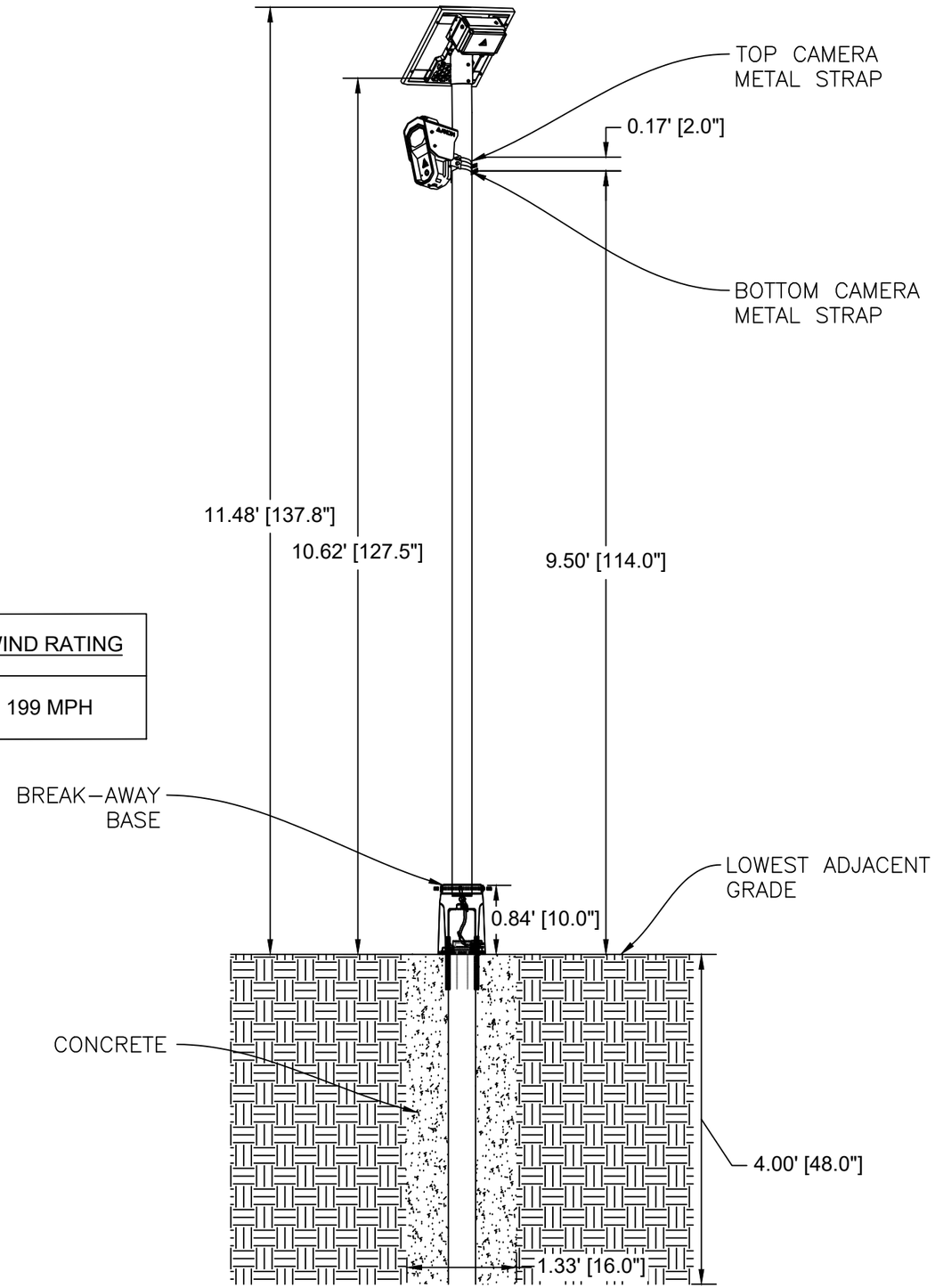
1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.

2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.

3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.

4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK. UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

POLE TYPE	EXPOSURE CATEGORY	SOLAR PANEL	# OF CAMERAS	WIND RATING
FREY	D	50W	1	199 MPH



REVISIONS

DATE	REV	DESCRIPTION

WISCONSIN
BRETT JOSEPH MAGARAM
E-100377
CLIFTON
VA
PROFESSIONAL ENGINEER
4/23/2026

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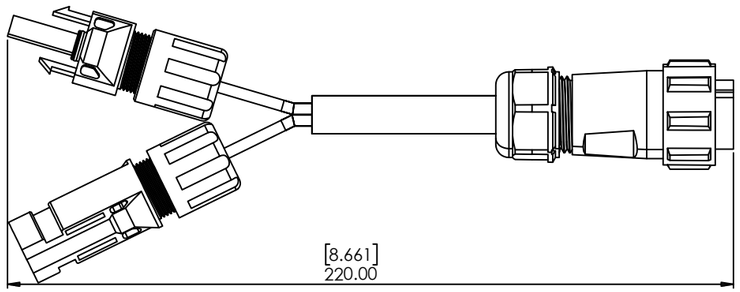
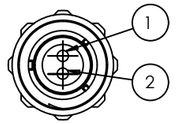
EQUIPMENT SPECIFICATIONS

SPEC.01

17122944_CAD_000_AD_CABLE - SOLAR

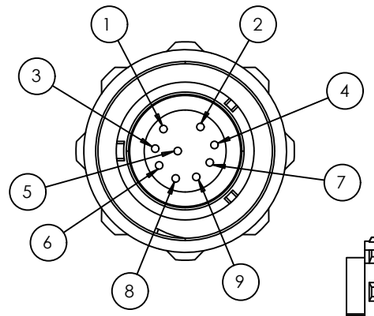




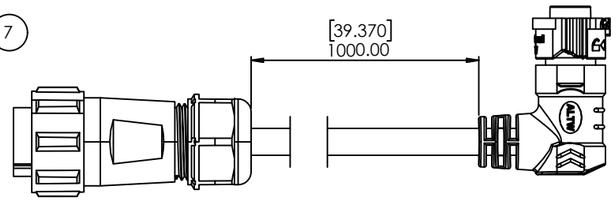
Weipu SP2110-P2II-1N	Pin-out
1	+
2	-

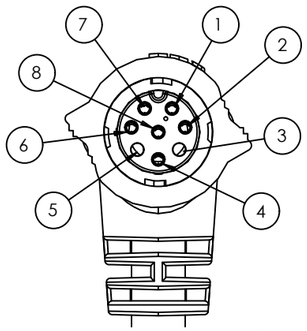
AXON SKU :102544

17122818_CAD_000_AD_AXON OUTPOST - CABLE - POWER , 1M



Weipu SP2110-P9II-1N





Amphenol BD-08AFFM-QR8D01

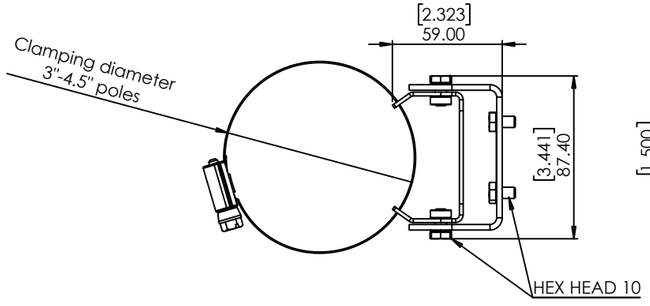
Pin Out	Color	Wire
1	BROWN	RESET
2	RED	PWR +
3	BLACK	RST GND
4	YELLOW	PWR +
5&6		
	ORANGE	PWR -
7	GREEN	RS 485 A+
8	PURPLE	PWR -
9	BLUE	RS 485 B -

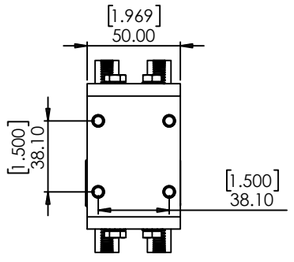
Pin Out	Color	Wire
1	BLACK	RST GND
2	BROWN	RESET
3	RED	PWR +
4	ORANGE	PWR -
5	YELLOW	PWR +
6	GREEN	RS 485 A+
7	BLUE	RS 485 B -
8	PURPLE	PWR -

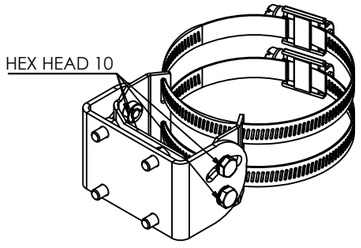
AXON SKU :102542

17122758_CAD_000_AD_MOUNT - POLE

SEE DRAWING





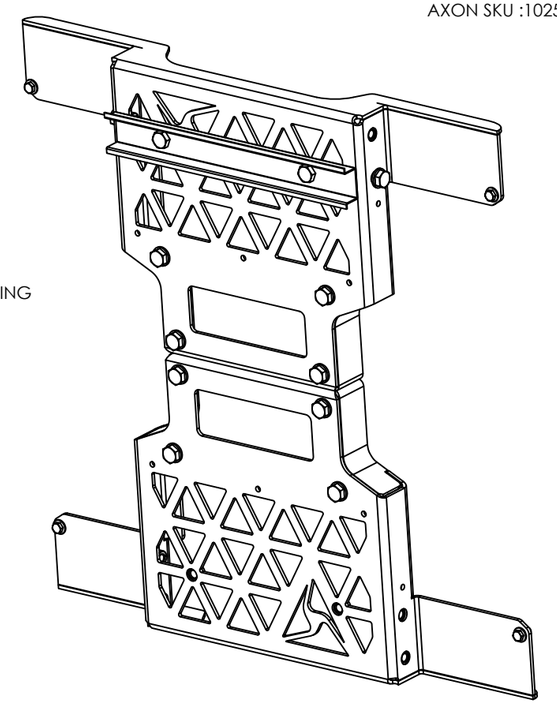


AXON SKU :102536

17122949_CAD_000_AD_AXON OUTPOST - SOLAR PANEL BRACKET SET

AXON SKU :102539

SEE DRAWING



ITEM NO.	PART NUMBER	QTY.
1	17122944_CAD_000_AD_AXON OUTPOST - CABLE - SOLAR	1
2	17122758_CAD_000_AE_AXON OUTPOST-MOUNT - POLE	1
3	17122949_CAD_000_AD_AXON OUTPOST - SOLAR PANEL BRACKET SET	1
4	17122818_CAD_000_AD_AXON OUTPOST - CABLE - POWER , 1M	1

Revision table	
AD	Launch revision
AA	Drawing generation

+0.1 +0.4

-0.2 -0.4

Notes-unless otherwise:
-General tolerances according to DIN ISO 2768 mK
-Principle of tolerancing DIN 7167
-Symbols to DIN EN ISO 1101
-Edges of working parts according to DIN ISO 13715

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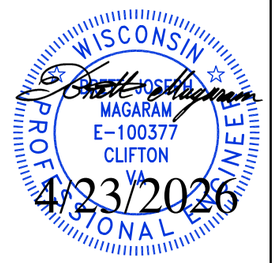
REVISIONS		
DATE	REV	DESCRIPTION



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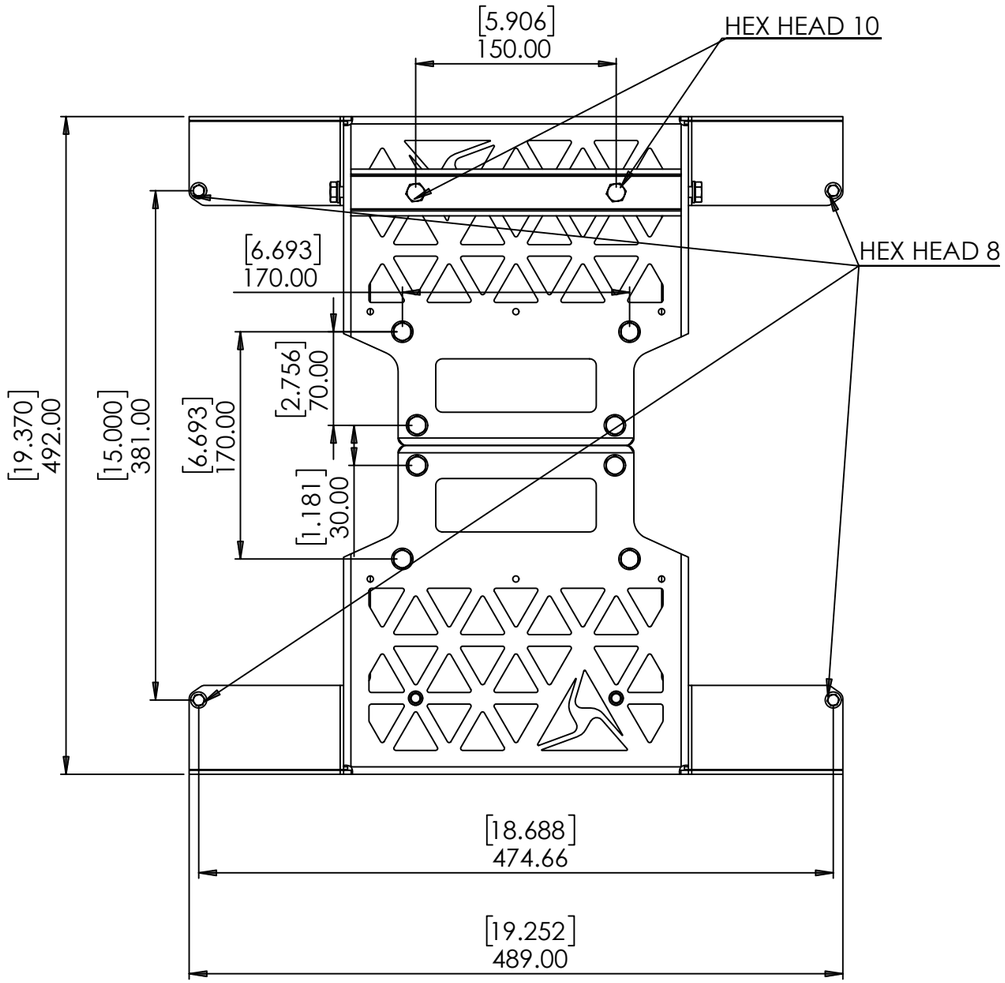
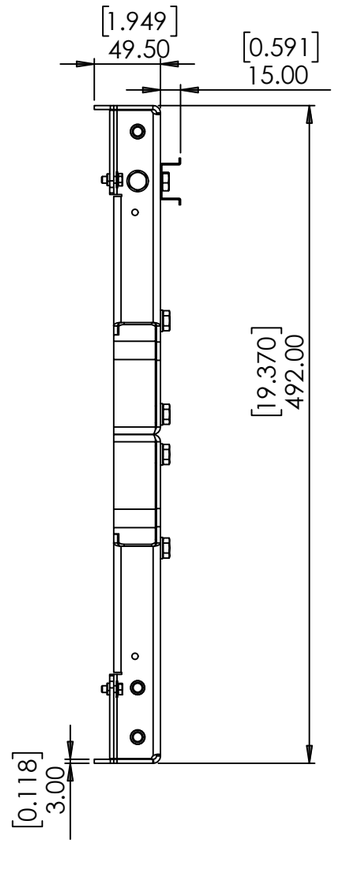
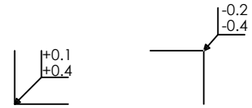
EQUIPMENT SPECIFICATIONS

SPEC.02







Revision table	
AD	Launch revision
AA	Drawing generation

REVISIONS		
DATE	REV	DESCRIPTION

ROBERT JOSEPH MAGARAM
E-100377
CLIFTON
VA
PROFESSIONAL ENGINEER
WISCONSIN
4/23/2026

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Notes-unless otherwise:
-General tolerances according to DIN ISO 2768 mK
-Principle of tolerancing DIN 7167
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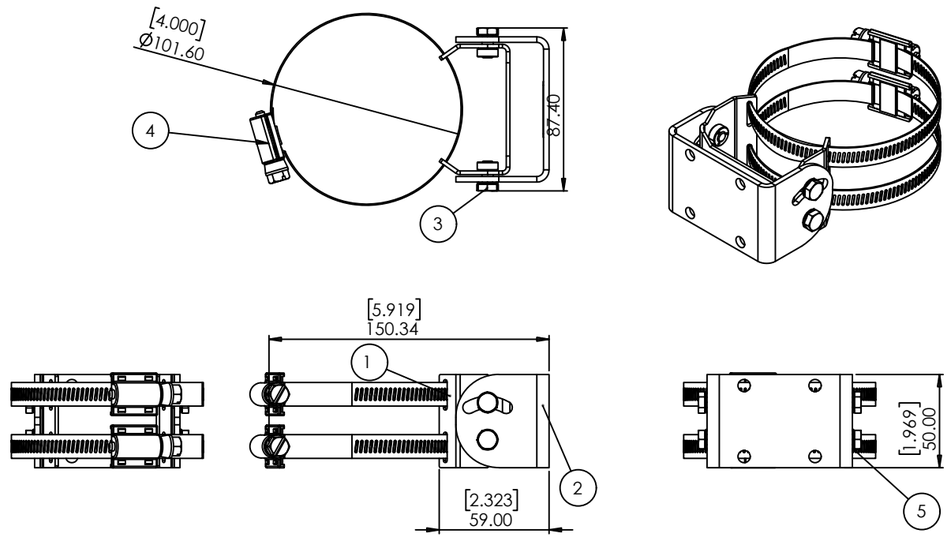
EQUIPMENT SPECIFICATIONS

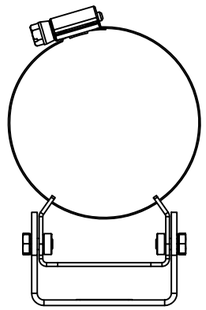
SPEC.03

17122758_CAD_000_AE_AXON OUTPOST-MOUNT - POLE

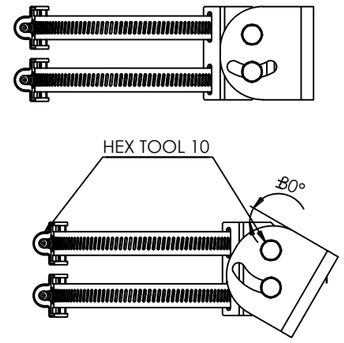


Adjustment X axis

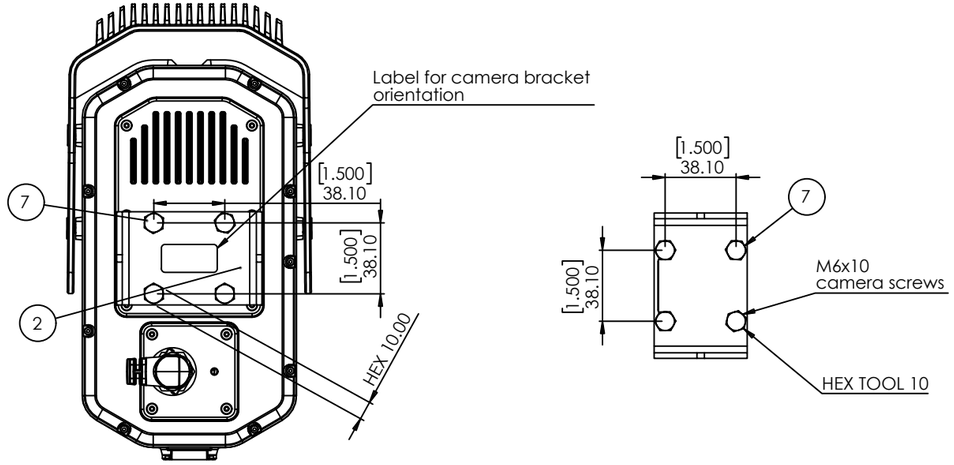
360 degrees around the pole



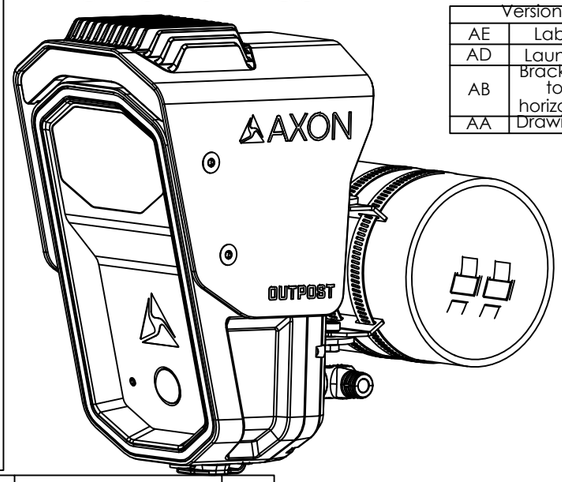
Adjustment Y axis



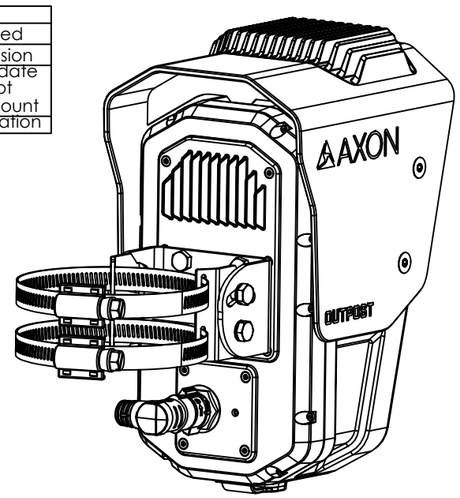
Camera mounting interface



Horizontal mount



Vertical mount



Version history	
AE	Label added
AD	Launch revision
AB	Brackets update to addapt horizontal mount
AA	Drawing creation

ITEM NO.	PART NUMBER	DESCRIPTION	Revision	MATERIAL	FINISH	QTY.
1	17122759_CAD_000_AG_Pole mount bracket	Bracket for pole mount	AG	S235	RAL 9005 Fine structure Electroplated zinc	1
2	17122755_CAD_000_AD_Camera braket	Bracket for camera mount	AD	S235	RAL 9005 Fine structure Electroplated zinc	1
3	17122983_CAD_000_AD_Screw M6x12 DIN933 A2	Hex head screw M6x12	AD	A2		4
4	B01 Heavy-duty clamp, AISI 304, black, 70-118 mm	Worm gear clamp	AD	AISI 304	3"-4.5" Black	2
5	17122985_CAD_000_AD_Washer LOCK M6 DIN 6798 A2	Serrated lock washer A M6	AD	A2		4
6	17122984_CAD_000_AD_Press-NUT-M6-A2	Self clinghing nut M6	AD	A2		4
7	17123032_CAD_000_AD_Screw M6x10 DIN933 A2	Hex head screw M6x10	AD	A2		5
8	17123052_CAD_000_AD_Label camera bracket orientation	Label for camera bracket orientation	AD	Paper		1

Notes-unless otherwise:
-General tolerances according to DIN ISO 2768 mK
-Principle of tolerancing DIN 7167
-Symbols to DIN EN ISO 1101
-Edges of working parts according to DIN ISO 13715

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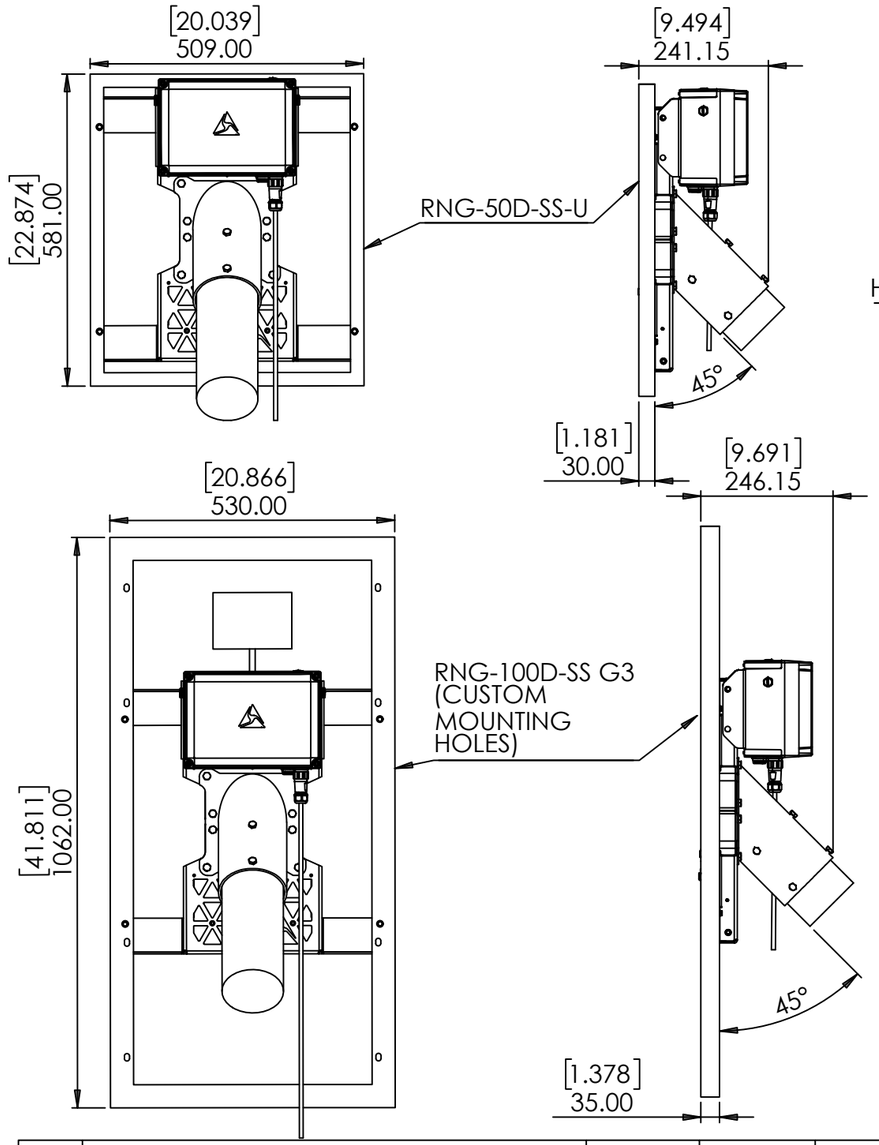
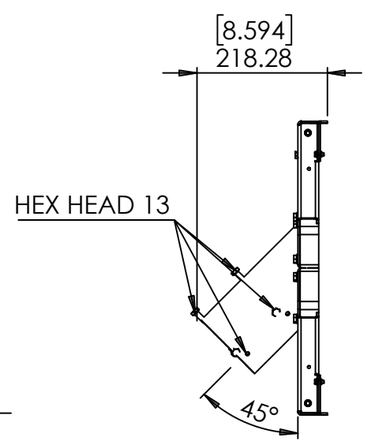
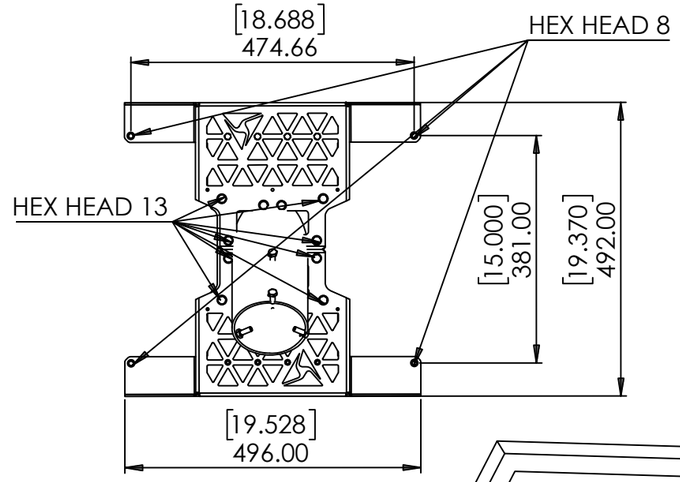
EQUIPMENT SPECIFICATIONS

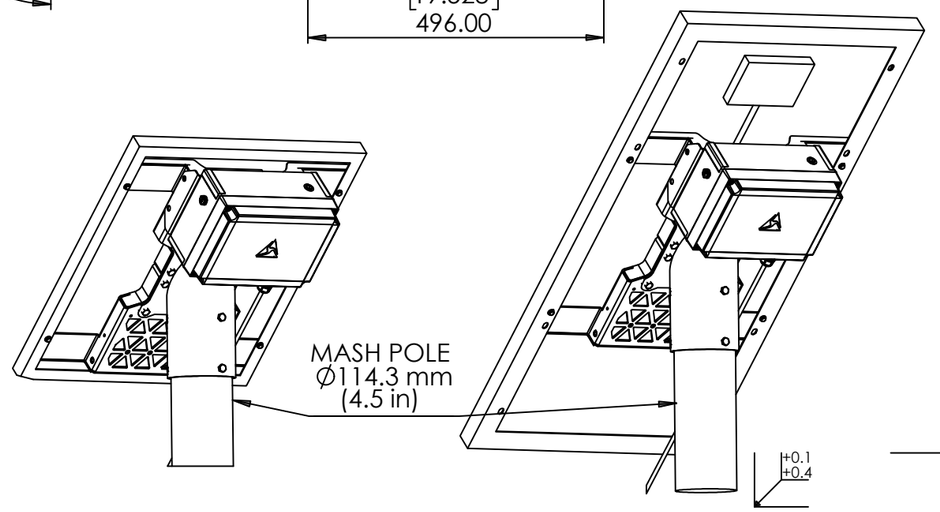
SPEC.04

SOLAR PANEL INTERFACE FOR AXON OUTPOST - TOP MOUNT END-CAP MASH RNG-50D-SS-U & RNG-100D-SS G3









ITEM NO.	PART NUMBER	Revision	Material	Weight [lbs]	Finish	QTY.
1	17122816_CAD_000_AC_AXON OUTPOST - TOP MOUNT END CAP- MASH	AB	S235	6.6	RAL 9005 Fine structure Hot dip galvanized	1
2	17122898_CAD_000_AXON OUTPOST - BATTERY & CHARGER ENCLOSURE-STANDARD	AA	-	8.6	RAL 9005 Fine structure	1
3	17122818_ASSY_000_AXON OUTPOST - CABLE - POWER , 1M	AA	-	0.7	-	1
4	17122922_CAD_000_AA00_AXON OUTPOST - SOLAR STANDARD HARDWARE KIT	AA	AL 1050	4.2	RAL 9005 Fine structure	1
5	17122944_CAD_000_CABLE - SOLAR	AA	-	0.5		1

Notes-unless otherwise:
-General tolerances according to DIN ISO 2768 mK
-Principle of tolerancing DIN 7167
-Symbols to DIN EN ISO 1101
-Edges of working parts according to DIN ISO 13715

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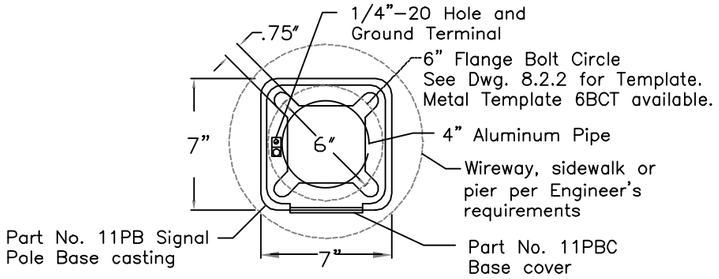
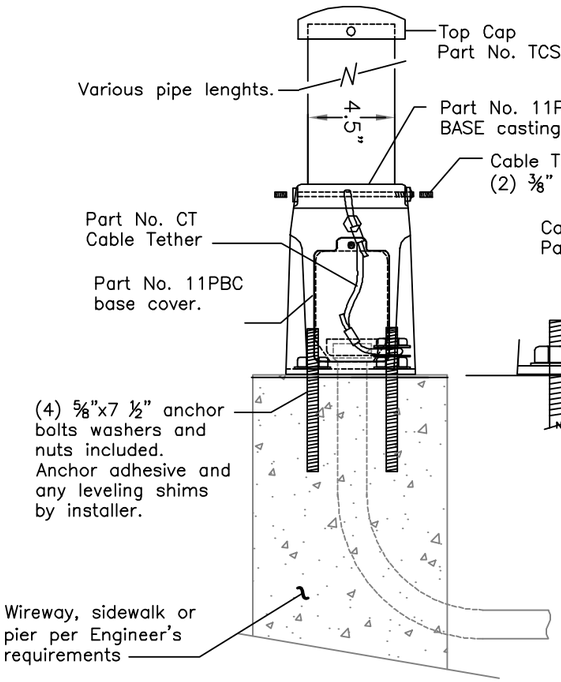
EQUIPMENT SPECIFICATIONS

SPEC.05

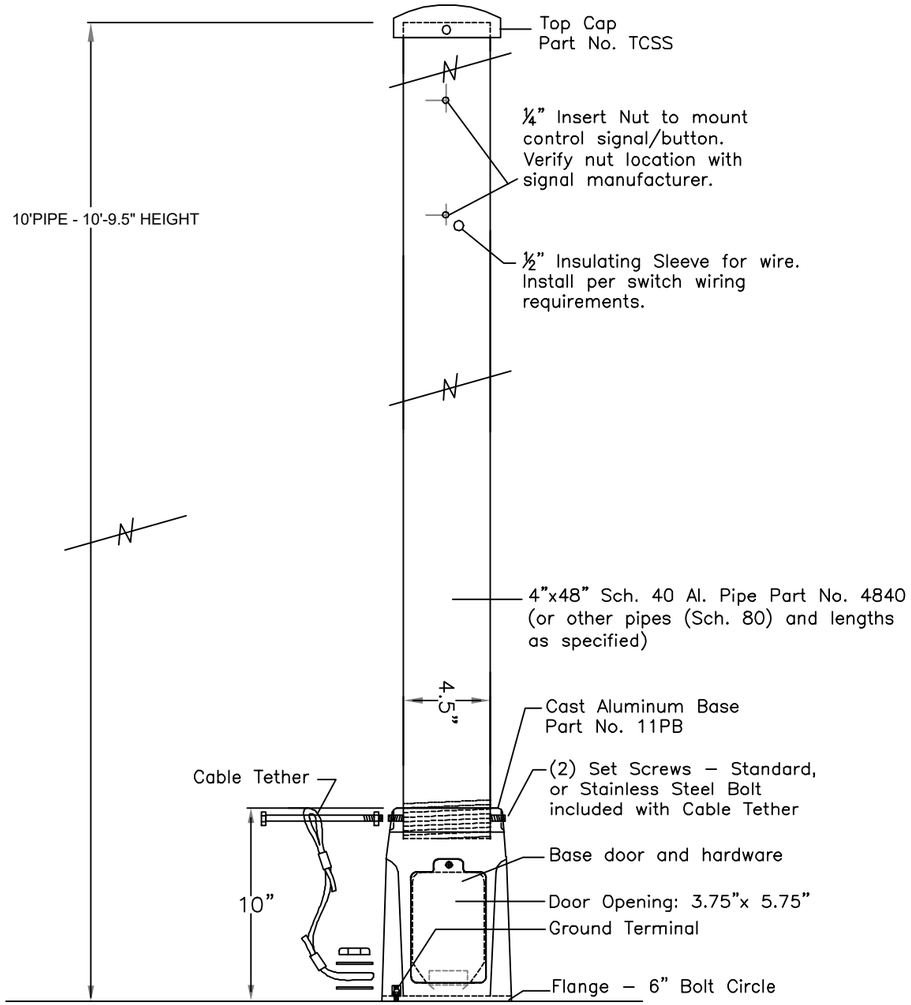




NOTES:

1. APPLY ANTI–SEIZE LUBRICANT TO ALL THREADED SURFACES.
2. CLEAR ANODIZED STANDARD FINISH UNLESS OTHERWISE SPECIFIED.

CP6A (See "Finish") SIGNAL POLE BASE ASSEMBLY & ANCHORS INCLUDED PARTS:
(1) 11PB ALUMINUM BASE
(1) 11PBC BASE COVER, & HARDWARE
(2) ⅜" SS SET SCREWS
(1) 25ABPK ANCHOR BOLT KIT: (4) ⅝"X7½" SS FT BOLTS, ⅝" FLAT WASHERS & NUTS (Others available) (ANCHOR ADHESIVE AND ANY REQUIRED LEVELING SHIMS BY INSTALLER)
(1) 14–4 CU GROUND LUG
(1) ¼" SS GROUND LUG BOLT



4840 – (See "Finish") ALUMINUM PIPE ASSEMBLY INCLUDED PARTS:
(1) 48" SCHEDULE 40 ALUMINUM PIPE ONE END THREADED (Other pipes & lengths available)
(2) IN¼20 ¼" INSERT NUTS FOR 4" SCHEDULE 40 PIPE (Install with a setting tool)
(1) 12IS ½" INSULATING SLEEVE

TCSS (See "Finish") DOMED TOP CAP ASSEMBLY INCLUDED PARTS:
(1) 11TCSS TOP CAP
(3) ¼" SS SET SCREW

CT CABLE TETHER INCLUDED PARTS:
(1) 5⁄16"BOLT
(1) 18" WIRE CABLE ASSEMBLY
(1) ⅝" JAM NUT.
(1) 5⁄16" LOCK WASHER & NUT
(2) ⅝" FLAT WASHER

BUILD CATALOG NUMBER FROM BELOW CP6 SERIES ASSEMBLIES

Signal pole base w/ 6" Bolt Circle, Cover	– Anchors	– Cable Tether	– 48" Schedule 40 Aluminum Pipe	– Top Cap w/Set Screws	– Vandal Resistant	– Finish
CP6	A Other styles of anchors available	CT	4840 "48" Represents inches of pipe, i.e. a 10' schedule 40 pipe would be 12040. Schedule 80 available.	TCSS	V Vandal resistant hardware option	(Blank) Clear Anodized standard NF (No Finish) (Other finishes & colors available, insert powder coat RAL number or Anodize number) See Note 2.

NOT TO SCALE HARDWARE MEETS OR EXCEEDS STATE SPECIFICATIONS

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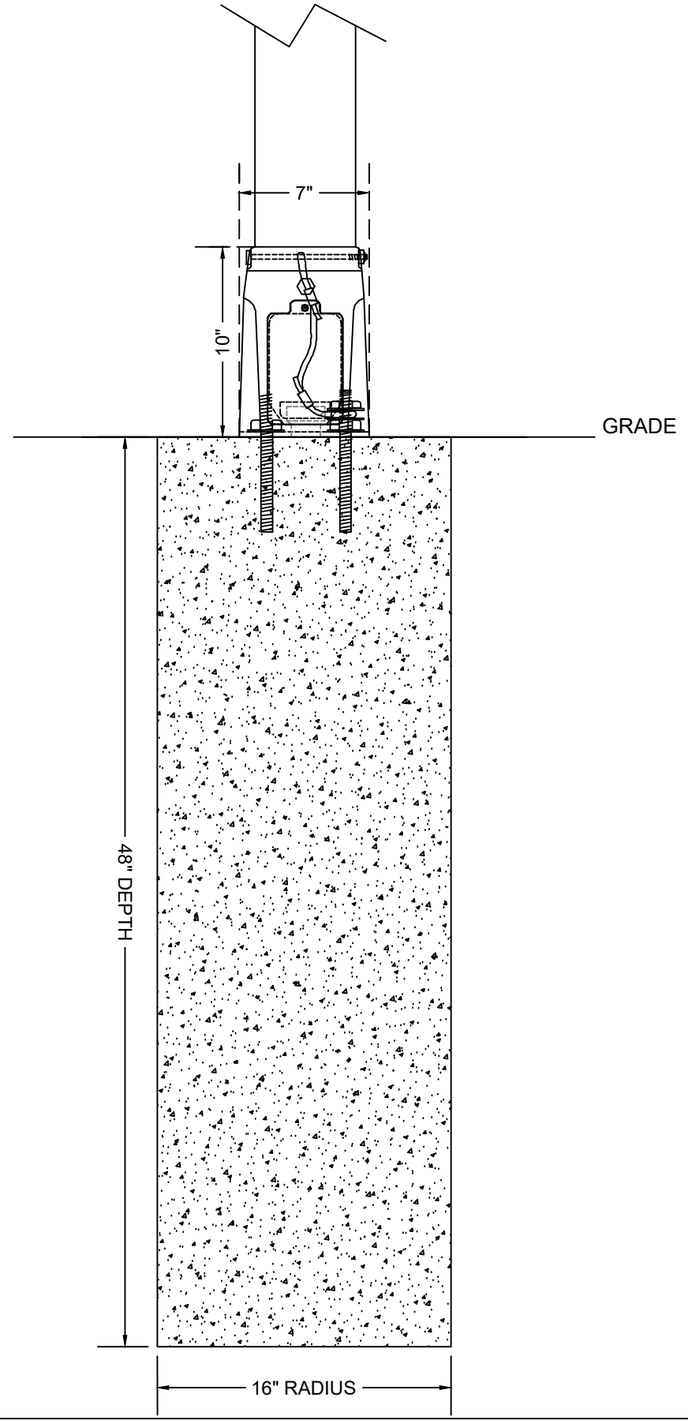
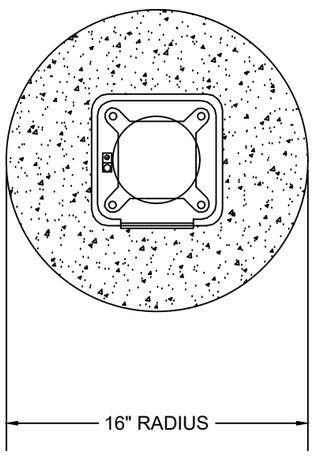
EQUIPMENT SPECIFICATIONS

SPEC.06





FOUNDATION DETAIL FOR 10' POLE WITH BASE

NOTE: CLASS "A" CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

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EQUIPMENT SPECIFICATIONS

SPEC.07

Shoulder and Parking Lane Closure
Work on or Near Shoulder

3-3 2272SW
3 DAYS or LESS

① If this layout is used to close a parking lane that is normally open to vehicle travel during the time of day the closure will be in effect, the lane shall be considered a traveled lane and not a parking lane. 5-3 4L72LLC-page 83 shall be used to provide traffic control for the lane closure.

2. If this layout is used to close a parking lane, channelizer spacing may be reduced in high volume areas.

③ Change SHOULDER WORK sign to ROAD NARROWS sign if work encroaches the live lane.

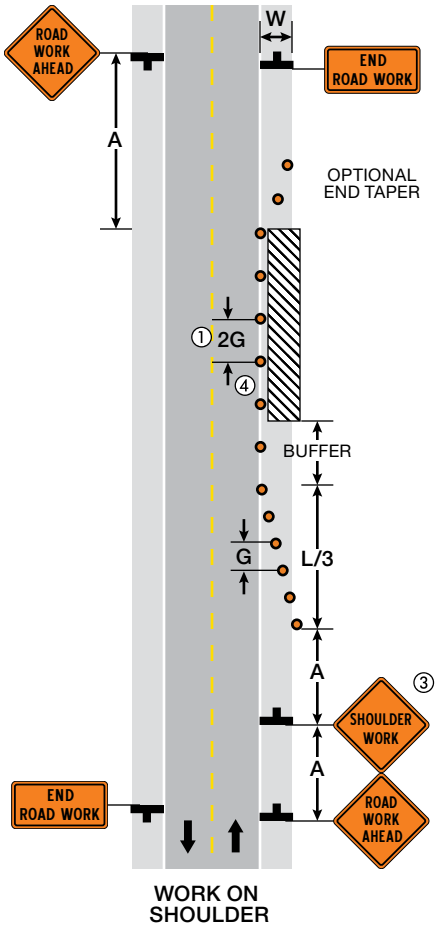
4. ROAD WORK AHEAD and END ROAD WORK signs are not required if the work area is within a larger work zone where these signs are already present.

Distance Chart

Posted Speed Limit (mph)	(G)	(A)
25	25'	200'
30		200'
35		350'
40		350'
45		500'
50	50'	500'
55		500'

L/3 Chart

W / mph	3	4	5	6	7	8
25	10	14	17	21	24	28
30	15	20	25	30	35	40
35	20	27	34	40	47	54
40	26	35	44	53	62	70
45	45	59	74	89	104	119
50	50	66	83	99	116	132
55	54	73	91	109	127	145



Mobile/Short Duration Lane Closure
Multi-Lane Divided Road

6-3 DH1MLC
1 HOUR or LESS

① Channelizing devices may be omitted if the operation moves at least the Decision Sight Distance (D) every 15 minutes or less (mobile operation).

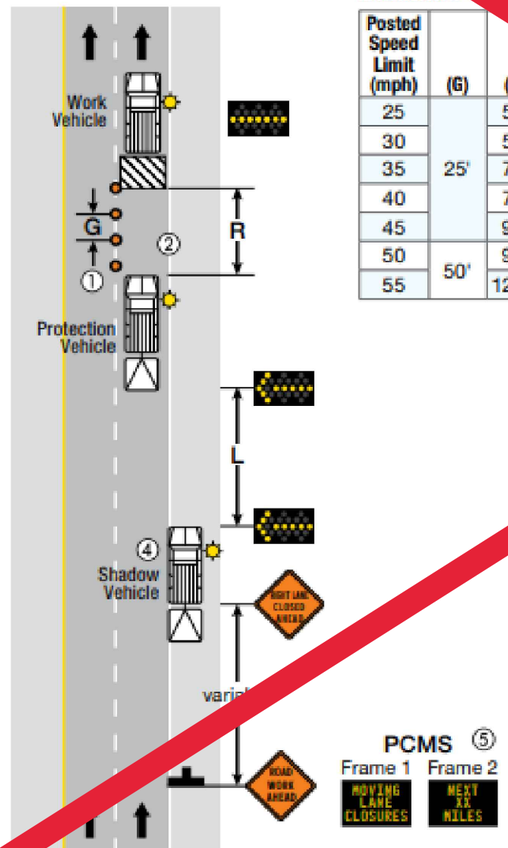
② May use additional Protection Vehicle (not shown on layout) to close shoulder in advance of Work Vehicle.

3. Any Shadow Vehicle or Protection Vehicle operating totally or partially in a traffic lane shall be equipped with a TMA.

④ Shadow Vehicle 1 may encroach into the traffic lane when the shoulder is too narrow to drive on.

⑤ The PCMS shall be used for nighttime operations regardless of duration.

6. This lane closure is for work in right land, for work in left lane change signs to the left lane closure.



Distance Chart

Posted Speed Limit (mph)	(G)	(D)	(L)
25	25'	550'	125' (5)
30		550'	180' (8)
35		700'	245' (10)
40		700'	320' (13)
45		900'	540' (22)
50	50'	900'	600' (12)
55		1200'	660' (13)

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TYPICAL DETAILS

TCP.01

1.0 Introduction

Complete an environmental review (coordination) for a utility project or relocation in state trunk highway (STH) right-of-way (ROW) as part of the WisDOT utility permit application process.[1] The coordination is associated with question 17 on form dt1553. This subject provides guidance for a utility owner (or designee) to complete the required coordination along with an environmental checklist (Checklist) to use and submit with the application.

2.0 Environmental Checklist

Use the Checklist to document the required environmental coordination for a utility project or relocation. Since the Checklist only applies to utility work in STH ROW, environmental coordination or permitting outside the ROW may also be required to comply with federal, state, local and/or tribal laws, regulations, and ordinances. A utility is responsible to comply with all environmental requirements for its project.

2.1 Checklist Process

Complete and sign the Checklist in Attachment 1 and include it with form dt1553 along with any necessary supporting documentation as part of the permit application process. WisDOT Region Utility Permit Coordinators will review the Checklist for completeness and may contact the utility to clarify or provide additional information if there are potential issues or concerns about a resource identified or not adequately addressed. A Checklist may be incomplete if a question is not answered, or documentation is not supplied. An incomplete Checklist will be returned to the utility, and its permit application will not be processed.

Supporting documentation may be required to prove environmental coordination with a regulatory agency. If an agency does not require documentation, a utility is not required to submit it to WisDOT.[2] Supply documentation if it may be helpful in WisDOT's review of the Checklist.[3] Supporting documents may include, but are not limited to, permits, approvals, certifications, checklists, correspondence, website screenshots/PDFs, mapping, etc. WisDOT may request documentation to show proof of environmental compliance or agency coordination. Keep supporting documents on file with WisDOT's permit for its duration and provide upon request.

3.0 Enforcement

If there are any environmental issues during a utility project, it is up to those regulatory agencies (DNR, federal agencies, tribes, etc.) having statutory authority to take enforcement action. WisDOT may take compliance actions as set forth in the *UAP*, i.e., suspend permit/work operations, revoke permit, withhold future permit approvals, etc., until a utility complies with WisDOT requirements.

4.0 Federal Actions – NEPA Document

If a utility project involves any of the items listed at the right, then the utility **may** need to complete a National Environmental Policy Act (NEPA) document. Inform WisDOT of potential Federal actions as soon as possible prior to submitting a permit application. Consider hiring a consultant if adequate utility staff are not available to complete a NEPA document.

A NEPA document **is required** for any utility work within tribal reservations. It may also apply to tribal lands outside of a reservation. Do not start utility work until a Tribal permit and Bureau of Indian Affairs approved NEPA document is obtained even if a WisDOT permit has been issued.

1. Use of Federal funds for utility facility relocations associated with WisDOT highway projects
2. Use of Federal funds for utility project construction on a STH **not** associated with WisDOT highway projects
3. Approvals from the Federal Highway Administration (FHWA) for utility accommodation on Interstate highways as determined by FHWA and WisDOT
4. Approvals from FHWA for exceptions to WisDOT's Utility Accommodation Policy or privately-owned utility facilities installed longitudinally on any STH
5. Involvement in Federal actions (e.g., funding, permitting, approval, etc.) other than in items 1-4.

Potential Federal Actions

[1] Note: HMM 09-15-15 covers the permit process.
[2] For example, DNR *non-reporting* utility general coverage permit
[3] For example, DNR Surface Water Data Maps

5.0 Resources: WisDOT Website and Links

Permit approval from WisDOT does not relieve a utility from compliance with all applicable laws, codes, regulations, and ordinances pertaining to (not a comprehensive or all-inclusive list):

- Local agencies – city, town, village, or county
- State agencies – Department of Natural resources (DNR), State Historic Preservation Office (SHPO), Department of Agriculture, Trade, and Consumer Protection (DATCP)
- Federal agencies – U. S. Army Corp of Engineers (USACE), Federal Highway Administration (FHWA), U.S. Fish and Wildlife Service (USFWS)
- Tribal governments – Wisconsin has 11 sovereign tribal nations

WisDOT has established a website to guide a utility with its environmental or other agency coordination when applying for a WisDOT state ROW permit. The website contains links to various regulatory agencies and has also been repeated below as a guide.

1. Construction Site Storm Water Permits
2. Erosion Control and Storm Water Management Plans
3. Waterway & Wetland Permits: Wetland Disturbance
4. Surface Water Data Viewer (Wetland/Waterways Maps)
5. USDA Web Soil Survey
6. Wisconsin Endangered and Threatened Species Permits
7. Preservation of Wisconsin Archaeological Sites
8. Wisconsin Historic Preservation Database
9. Tribal Government Contacts
10. Tribal Historic Preservation Officer Contacts
11. National Heritage Inventory Public Portal
12. WI Department of Natural Resources Utility Permit website
13. IpaC: Home (fws.gov)
14. DNR Bureau of Remediation and Redevelopment Tracking System (BRRTS)

Attachment 1 - Environmental Checklist

Include this Checklist and any supplemental documentation with form dt1553, *Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way.* The application will be returned if the Checklist is not included or is incomplete.

Answer the following questions related to the proposed utility project to show environmental compliance or coordination with various agencies/Tribes. WisDOT's permit approval does not relieve a utility from compliance with all applicable federal, state, local and tribal laws, codes, regulations, and ordinances and shall not be construed as superseding any other governmental agency's more restrictive requirements. Keep all supporting documents on file with WisDOT's permit for its duration and provide upon request.

Remember: Supporting documentation may be required to prove environmental coordination with a regulatory agency on the Checklist. If an agency does not require documentation, a utility is not required to submit it to WisDOT. However, supply documentation if it may be helpful in WisDOT's review of the Checklist, e.g., permits, approvals, certifications, checklists, correspondence, website screenshots/PDFs, mapping, etc.

1. *Aquatic Resource Impacts*

Use the Wisconsin Wetland Inventory maps and the DNR Surface Water Data Viewer (SWDV) to identify waterways, surface waters and potential wetlands. These tools are not comprehensive, and field surveys may be required to identify aquatic resources within the footprint of a proposed project. Consult with Department of Natural Resources and U.S. Army Corps of Engineers as needed.

Does the proposed project have the potential to impact any aquatic resources (wetlands, waterways, etc.)?

☒ No – Skip to question 2. ☐ Yes – Continue below.

State Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive non-reporting coverage under the DNR utility general permit (DNR-GP3-2023) for wetland/waterway impacts?

☐ Yes – Project meets all requirements for DNR *non-reporting* utility general permit coverage.

☐ No – Project received *reporting* utility general permit coverage or individual wetland/waterway permit.
https://dnr.wisconsin.gov/topic/Sectors/UtilityPermitting.html

☐ Not applicable – Project is exempt from all wetland/waterway permitting requirements.
Wetlands: https://dnr.wisconsin.gov/topic/Waterways/Permits/Exemptions.html
Waterways: https://dnr.wisconsin.gov/topic/Wetlands/permits/exemptions.html

☐ Not applicable – Project occurs wholly within boundaries of a Native American Nation or Tribal reservation and DNR does not have jurisdiction. See question 6.

Federal Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive no-preconstruction notification (PCN) coverage under the USACE utility or other regional general permit (RGP) or a nationwide permit (NWP) for wetland/waterway impacts? https://www.mvp.usace.army.mil/Missions/Regulatory/Permitting-Process-Procedures/

☐ Yes – Project meets all requirements for no-PCN coverage under a USACE RGP or NWP.

☐ No – Project covered under USACE's RGP or NWP coverage obtained through submittal of a preconstruction notification or other Section 404 permit coverage.

☐ Not applicable – Project does not impact waters of the United States.

2. *Protected Species*

Projects with the potential to affect protected species must be covered under the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities, DNR Natural Heritage Inventory Public Portal Preliminary Assessment or a DNR Endangered Resources Review.

Select the appropriate response below:

☒ Preparer **self-certifies** that all components of the proposed project are covered under Table 1 of the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities. Any additional conditions from Table 1 are incorporated into the project as necessary.

☐ Preparer completed the NHI Public Portal Preliminary Assessment and received one of the following results:

- No further actions are needed.
- Further actions are recommended.
- Further actions are strongly recommended.

Note: WisDOT encourages applicants to implement DNR recommended actions.

☐ An Endangered Resources Review was conducted for the project by DNR or a certified reviewer and one of the following applies:

- The project is implementing all **required actions** from the DNR Endangered Resources Review.
- The project is covered under **Table 2** of the DNR Broad Incidental Take Permit/Authorization for No/Low Activities and additional conditions/avoidance measures are incorporated as required.

Note: WisDOT encourages applicants to implement DNR recommended actions.

☐ The project is covered by a DNR Individual Incidental Take Permit and/or USFWS coordination under the Endangered Species Act.

3. *Construction Site Stormwater Permits*

Projects that involve one acre or more of land disturbance require a utility to submit a Notice of Intent (NOI) erosion control permit under Wis. Adm. Code NR 216.

Does the proposed project affect one acre or more of land disturbance?

☒ No – Meets criterion. ☐ Yes – Coordination completed.

4. *Erosion Control Plan & Stormwater Management Plans*

Does the proposed project meet the Trans 401 "Minor" category?

☒ Yes – Meets criterion for minor project. ☐ No – Attach formal erosion control plan.

For minor projects, immediately replace disturbed soil and topsoil and/or temporary seed and mulch the soil, which includes repairing equipment and vehicle tracks. Have erosion control devices (hay or straw bales, wattles, silt fence, erosion mat, etc.) at the site or immediately accessible in case weather conditions cause immediate action to protect bare or loose soil. Cover soil piles left overnight with plastic or protect with silt fence or other approved perimeter control devices on the downslope side to prevent possible runoff.

Does the proposed project require a Stormwater Management Plan?

☒ No – Meets criterion. ☐ Yes – Coordination completed.

For more information: DNR Erosion Control and Stormwater Management Plans

5. *Wisconsin Historic Preservation Database*

Are any historic resources located within the proposed project limits?

☒ No – Meets criterion. ☐ Yes – Coordination completed.

Contact: State Historic Preservation Office or go to: Wisconsin Historic Preservation Database

6. *Tribal Government Coordination*

Is any part of the work located within the reservation boundaries of a Native American Nation or Tribal reservation? Any utilities placed within a Native American Nation or Tribal reservation require Bureau of Indian Affairs (BIA)/Tribal approval prior to placing their facilities in WisDOT ROW. Tribal Government Contacts: https://witribes.wi.gov/

☒ No – Meets criterion. ☐ Yes – Coordination completed.

Note: A utility must obtain a Tribal permit and BIA approval of a NEPA document to proceed with utility work on a STH within a Tribal Reservation. WisDOT's utility permit does not grant automatic approval.

7. *Open or Closed Contaminated Sites, DNR Water Supply Permit, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LUSTs)*

Does the proposed project affect any of these items?

Item / Decision	Contaminated sites	DNR water supply permit	USTs	LUSTs
No – Meets criterion	☒	☒	☒	☒
Yes – Coordination completed	☐	☐	☐	☐

DNR: Wisconsin Remediation and Redevelopment Database (WRRD) and Remediation & Redevelopment (RR) Program staff contacts

DATCP: MyDATCP: Storage Tank Search
Region Environmental Coordinators and Regionwide SWECE and Mega/Major project coordinators

8. *Asbestos*

Does the project include replacement of asbestos wrapped utility conduit or Transite piping?

☒ No – Meets criterion. ☐ Yes – Document who will complete required notification to the DNR or DHS, the abatement methods, and the disposal location.

9. *Project Comments*

Provide any additional comments or extenuating circumstances that may assist in the review of the project's environmental coordination. List all utility work request, project plan set, or other identification numbers or references included in the environmental coordination and permitting of the project.

Installation of (2) 10' Mash Frey CP6 poles with attached Automatic License Plate Reader Cameras for the Ashwaubenon Police Department. Poles will be installed with solar panels to power the cameras, thus no further infrastructure is required at the pole locations.

Certification Statement: Upon executing the signature below, the signatory certifies that the Checklist is complete, all information is accurate and true, and all required environmental compliance/coordination is complete and on file with the utility.

Disclaimer: Any change in project scope requires this Checklist to be resubmitted and certified to reflect the most updated set of project details.

Signature: Brian Amenson Digitally signed by Brian Amenson Date: 2026.03.02 14:08:45 -06'00' Date: 3/2/26

Name & Title (print): Brian Amenson (Captain)

Company: Ashwaubenon Public Safety

Email: bamenson@ashwaubenon.gov